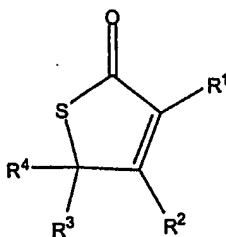


AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently amended) A compound of formula I:



I

wherein:

R¹ = H

R² = -OH, -OR⁵, -OCH₂C(O)R⁵, -OCH₂C(O)NHR⁵, -OC(O)R⁵, -OC(O)NHNH-R⁵, or -OC(O)NR⁵R⁶, where R⁵ is H, C₁-C₂₀ alkyl, cycloalkyl, alkenyl, alkynyl, aryl, arylalkyl, or alkylaryl, and where R⁵ can optionally contain hydrogen atoms;

R³ and R⁴, the same or different from each other, are C₁-C₂₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl;

with the proviso that when R² is -OH, -OCH₃, or -OC(O)CF₃ and R³ R⁴ is -CH₃, then R⁴ R₄ is not -CH₂CH₂OH, -CH₂(C₆H₅), or -CH=CH-CH₃, and

and the further proviso that when R³ is -CH₂-(C₆H₅), then R⁴ is not -CH₃ or -CH₂CH₃.

2. (Original) A compound according to claim 1, wherein R⁵ is H, C₁-C₁₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl.

3. (Original) A compound according to claim 2, wherein R⁵ is H, or C₁-C₁₀ alkyl.

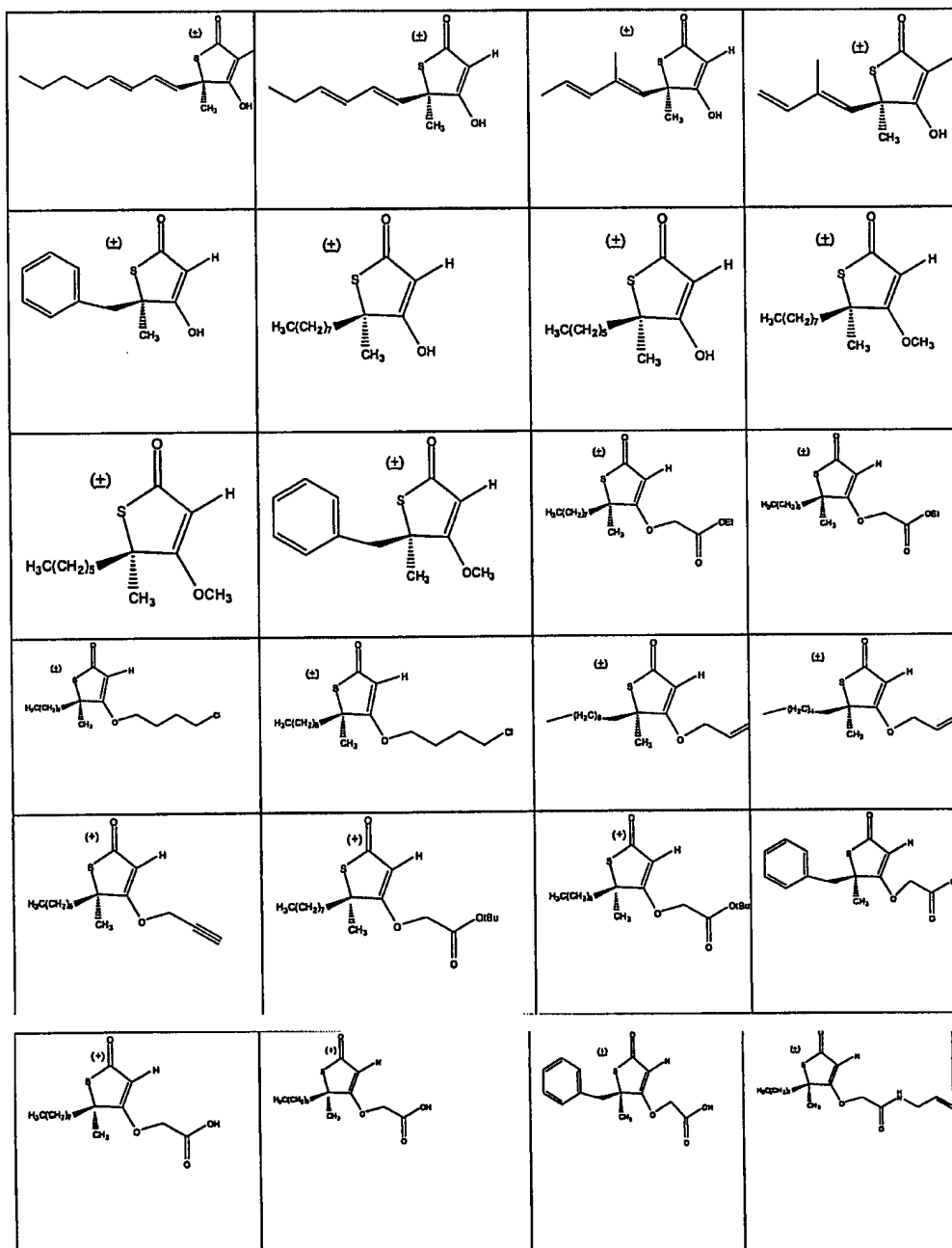
4. (Original) A compound according to claim 1, wherein R³ and R⁴ are each independently H, C₁-C₁₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl.

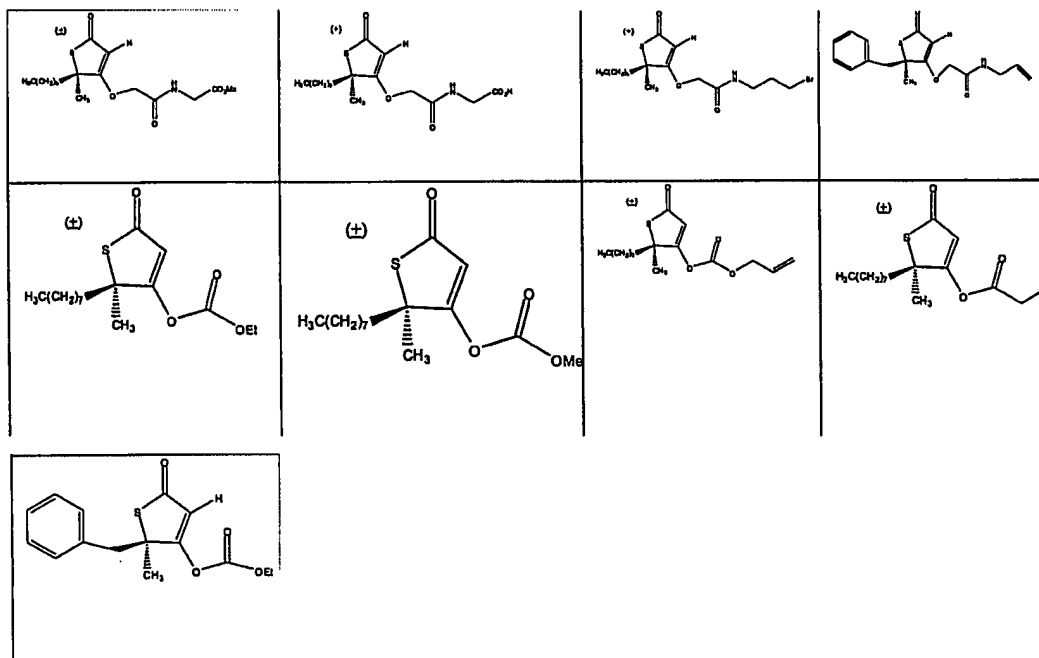
5. (Original) A compound according to claim 1, wherein R^3 and R^4 are each independently H or C_1 - C_{10} alkyl.

6. (Original) A compound according to claim 1, wherein R^3 is $-H$ or $-CH_3$.

7. (Original) A compound according to claim 1, wherein R^4 is $-nC_6$ - C_8 alkyl.

8. (Currently amended) A compound according to claim 1, wherein the compound is selected from the group consisting of:





Claims 9-17 (Cancelled)

Claim 18 (Original) A pharmaceutical composition comprising a pharmaceutical diluent and a compound of formula I.

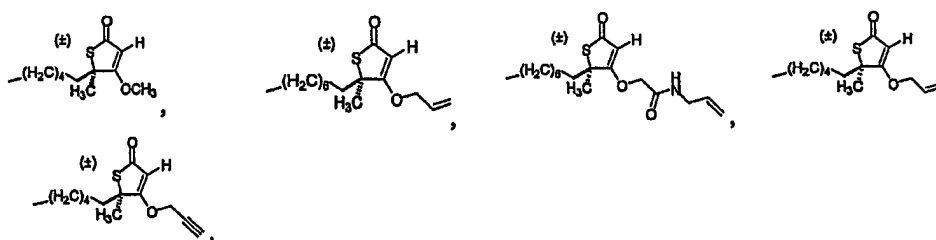
Claims 19-25 (Cancelled)

26. (Original) A method of treating cancer in an animal or human subject, comprising administering an effective amount of a pharmaceutical composition according to claim 16 to said subject.

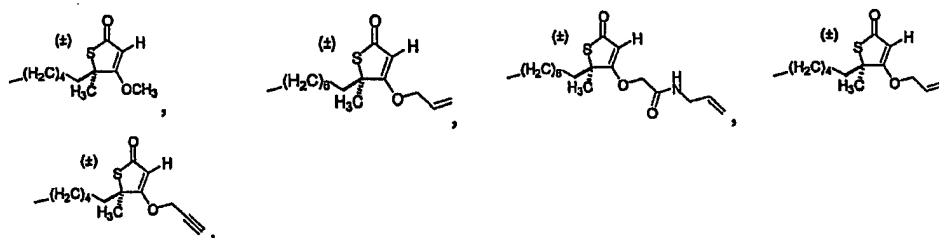
27. (Original) The method of claim 26, wherein the subject is a human.

28. (Original) The method of claim 26, wherein the subject is an animal.

29. (Original) The method of claim 27, wherein the pharmaceutical composition comprises a compound selected from the group consisting of:



30. (Original) The method of claim 28, wherein the pharmaceutical composition comprises a compound selected from the group consisting of:



Claims 31-38 (Cancelled)

39. (Original) A method of inhibiting fatty acid synthase activity in an animal or human subject comprising administering an effective amount of a pharmaceutical composition according to claim 16 to said subject.

40. (Currently amended) The method of claim 16 39, wherein the subject is a human.

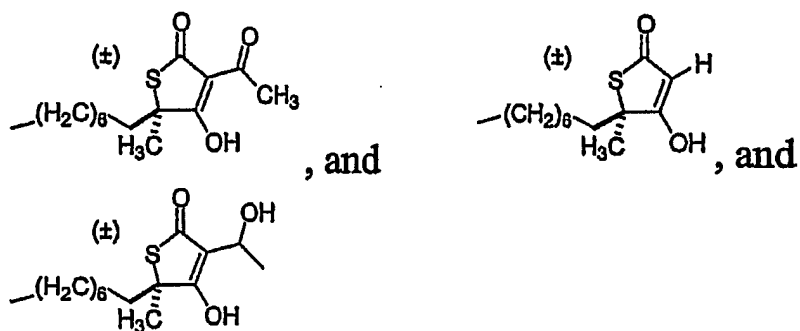
41. (Currently amended) The method of claim 16 39, wherein the subject is an animal.

42. (Original) A method of inhibiting growth of invasive microbial cells in an animal or human subject comprising the administration of an effective amount of a pharmaceutical composition according to claim 16 to said subject.

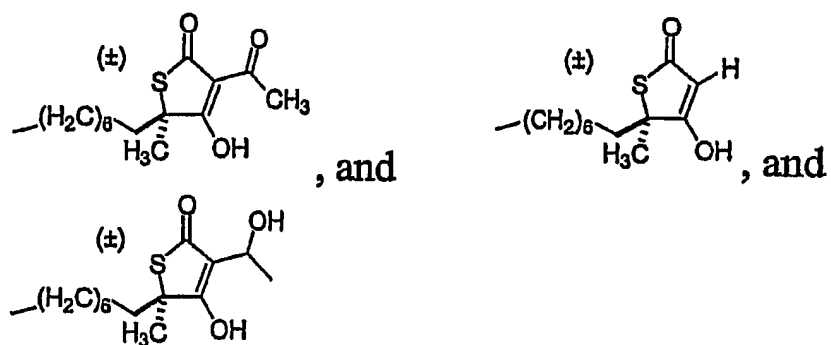
43. (Original) The method of claim 42, wherein the subject is a human.

44. (Original) The method of claim 42, wherein the subject is an animal.

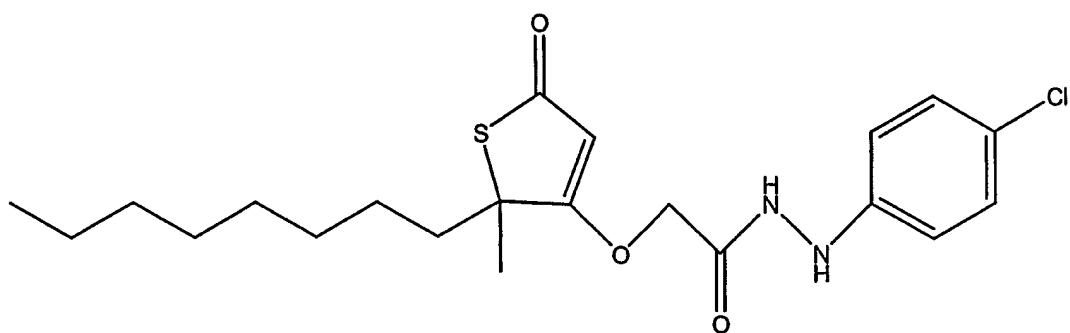
45. (Original) The method of claim 43, wherein the pharmaceutical composition comprises a compound selected from the group consisting of:



46. (Original) The method of claim 43, wherein the pharmaceutical composition comprises a compound selected from the group consisting of:



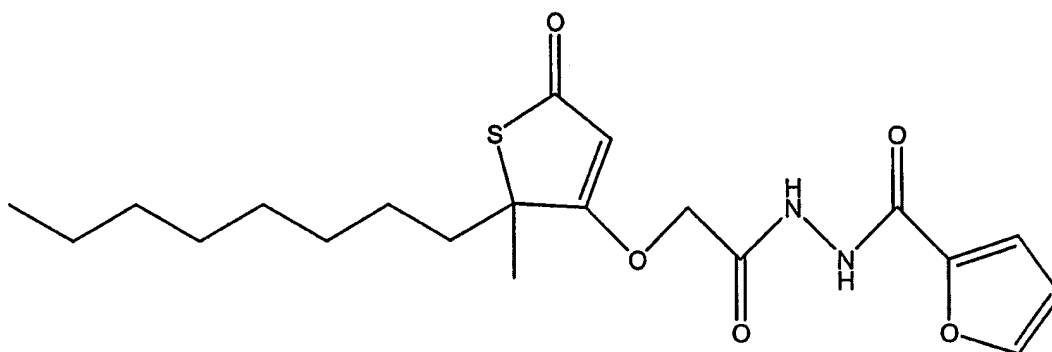
47. (new) A compound of formula:



48. (New) A pharmaceutical composition comprising a pharmaceutical diluent and the compound of claim 47.

49. (New) A method of treating cancer in an animal or human subject, comprising administering an effective amount of a pharmaceutical composition according to claim 47.

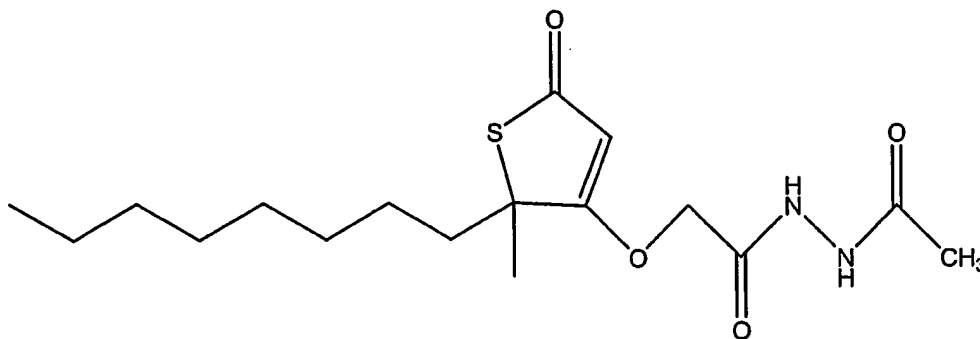
50. (New) A compound of formula:



51. (New) A pharmaceutical composition comprising a pharmaceutical diluent and the compound of claim 50.

52. (New) A method of treating cancer in an animal or human subject, comprising administering an effective amount of a pharmaceutical composition according to claim 51.

53. (New) A compound of formula:



54. (New) A pharmaceutical composition comprising a pharmaceutical diluent and the compound of claim 53.

55. (New) A method of treating cancer in an animal or human subject, comprising administering an effective amount of a pharmaceutical composition according to claim 54.

56. (New) A compound according to claim 1, where:

R^1 is H;

R^2 is $-OCH_2C(O)NHR^5$, where R^5 is C_1 - C_{10} aryl containing a halogen atom;

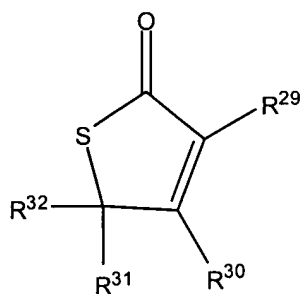
R^3 is $-CH_3$;

R^4 is $-n-C_6-C_8$ alkyl;

57. (New) A pharmaceutical composition comprising a pharmaceutical diluent and the compound of claim 56.

58. (New) A method of treating cancer in an animal or human subject, comprising administering an effective amount of a pharmaceutical composition according to claim 56.

59. (New) A compound of formula IV:



IV

wherein:

$R^{29} = H$

$R^{30} = -OH, -OR^{33}, -OCH_2C(O)R^{33}, -OCH_2C(O)NHR^{33}, -OC(O)R^{33}, -OC(O)NHNH-R^{33},$
or $-OC(O)NR^{33}R^{34}$, where R^{33} and R^{34} are each independently H, C_1 - C_{20} alkyl,

cycloalkyl, alkenyl, alkynyl, aryl, arylalkyl, or alkylaryl, and where R^5 can optionally contain hydrogen atoms;

R^{31} and R^{32} , the same or different from each other, are C_1 - C_{20} alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl;

with the proviso that when R^{30} is $-OH$, $-OCH_3$, or $-OC(O)CF_3$ and R^{31} is $-CH_3$, then

R^{32} is not $-CH_2CH_2OH$, $-CH_2(C_6H_5)$, or $-CH=CH-CH_3$, and

the further proviso that when R^{31} is $-CH_2-(C_6H_5)$, then R^{32} is not $-CH_3$ or $-CH_2CH_3$.

60. (New) A compound according to claim 59, wherein R^{33} is H, C_1 - C_{10} alkyl, cycloalkyl, alkenyl, aryl, aryl, arylalkyl, or alkylaryl.

61. (New) A compound according to claim 60, wherein R^{33} is H, or C_1 - C_{10} alkyl.

62. (New) A compound according to claim 59, wherein R^{31} and R^{32} are each independently H, C_1 - C_{10} alkyl, cycloalkyl, alkenyl, aryl, aryl, arylalkyl, or alkylaryl.

63. (New) A compound according to claim 62, wherein R^{31} and R^{32} are each independently H, or C_1 - C_{10} alkyl.

64. (New) A compound according to claim 59, wherein R^{31} is $-H$ or $-CH_3$.

65. (New) A compound according to claim 59, wherein R^{32} is $-nC_6-C_8$ alkyl.

66. (New) A compound according to claim 59, wherein the compound has the formula:

